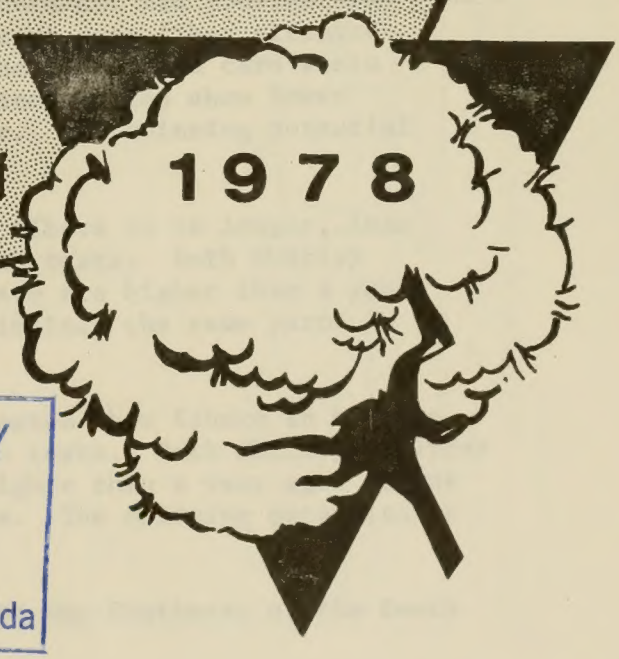
REPORT NO. 9

Cotton Fiber and Processing Test Results

CROP of 1978



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 December 29, 1978

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season.1/ These reports are available on request from the Standards Section, Cotton Division, Agricultural Marketing Service, U.S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN. 38122.

1/ Summary of Cotton Fiber and Processing Test Results, Crop of 1977, USDA, AMS, Cotton Division, August 1978.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1978

Discussion of Test Results

Short staple cottons tested from the Southwest through December 22, are shorter and less uniform than a year ago, according to the Cotton Division, Agricultural Marketing Service, USDA. Cottons are finer and stronger at zero gage fiber strength tests, but slightly weaker at 1/8" gage tests. Both Shirley Analyzer nonlint content and picker and card waste are higher than a year ago. Yarns spun from these samples are weaker but have higher appearance grades. Yarn imperfections are lower. The spinning potential yarn number is lower.

Southeastern medium staple samples tested to date are longer, finer and stronger at 1/8" gage strength tests. Shirley Analyzer nonlint content is higher while picker and card waste is slightly lower. Yarns spun from these samples are stronger with lower imperfections. The spinning potential is higher.

South Central medium staple samples tested show fibers to be shorter and stronger at zero gage than a year ago. Picker and card waste is higher. Yarns spun from these samples are weaker but show lower imperfections. The spinning potential yarn number is lower.

Medium staple samples tested to date from the Southwest are considerably shorter, less uniform, coarser and stronger at zero gage fiber strength tests. Both Shirley Analyzer nonlint content and picker and card waste are higher than a year ago. Yarns spun from these samples show lower appearance grades. Yarn imperfections are lower. The spinning potential is lower.

Medium staple samples tested from the West show fibers to be longer, less uniform, coarser and weaker at 1/8" gage strength tests. Both Shirley Analyzer nonlint content and picker and card waste are higher than a year ago. Yarns spun from these samples show approximately the same yarn qualities as a year ago.

Average results for all medium staple cottons tested show fibers to be less uniform and stronger at zero gage fiber strength tests. Both Shirley Analyzer nonlint content and picker and card waste are higher than a year ago. Yarns spun from these samples show lower imperfections. The spinning potential is lower.

No additional long staple lots were received from the Southeast or the South Central area during this period.

Long staple samples tested from the West show fibers to be shorter, less uniform, finer and weaker than a year ago at this stage of the harvest. Both Shirley Analyzer nonlint content and picker and card waste are higher. Carded yarns spun from these samples are weaker and have lower appearance grades. Imperfections are higher. Spinning potential is lower.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through December 22, 1978 1/

Staple group Area, and Crop year	Lots tested	Fiber test results						Processing test results				
		Fibrograph		Mike fineness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.
		2.5% span	50/2.5 unif.		Zero gage	1/8" gage			Skein str.	Appearance	Imperfections	
	No.	Inches	Pct.	Rdg.	Mpsi	G/tex	Pct.	Pct.	Lbs.	Index	No.	Yarn No.
									22s Carded Yarn			
Short Staple:												
Southwest												3/
1977	81	.99	46	42	88	22	3.2	5.4	100	109	13	- 48
1978	30	.95	45	41	90	21	4.3	7.2	95	119	8	(16) 41
Medium Staple:												
Southeast												
1977	36	1.08	45	47	86	22	3.2	6.1	96	92	21	- 50
1978	36	1.10	45	45	86	23	3.5	6.0	108	92	15	(77) 58
South Central												
1977	123	1.11	45	46	86	23	3.5	6.0	104	95	22	- 57
1978	124	1.09	45	46	88	23	3.5	6.5	100	95	13	(55) 51
Southwest												
1977	47	1.08	46	42	86	22	3.2	5.7	100	90	19	- 54
1978	40	1.03	45	43	89	22	4.3	6.4	100	82	16	(81) 51
West												
1977	81	1.11	46	43	94	26	2.6	5.3	119	86	21	- 68
1978	75	1.14	45	44	94	25	2.8	5.7	119	85	21	(114) 68
U.S. Average												
1977	287	1.10	46	45	88	23	3.2	5.8	106	91	21	- 59
1978	275	1.10	45	45	89	23	3.4	6.2	106	90	16	(77) 56
Significant difference 2/		0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3

1/ Based on a limited number of samples of modal quality
2/ Minimum differences considered to be significant for comparisons in this table.
3/ Parentheses indicate the neps per 1000 yards of yarn as measured by the Uster instrument.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through December 22, 1978 1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results						Processing Test Results								
		Length		Mike	Strength		SA Non-lint	P&C Waste	Comber Waste	Yarn Quality						SPY
		Span	Unif		Zero gage	1/8" gage				Strength		Appearance		Imprfctns		
										carded	combed	carded	combed	card	comb	
	No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.	No.
										22s Carded & Combed Yarn						
Long Staple:																
Southeast									3/							
1977	12	1.13	45	48	88	23	3.5	7.1	-	99	-	102	-	18	-	58
1978	15	1.12	44	44	85	24	3.4	7.7	16.6	111	128	106	126	12	3	59
South Central																
1977	3	1.16	45	45	92	24	4.3	7.2	-	106	-	97	-	24	-	63
1978	3	1.18	43	42	91	26	4.3	8.7	17.4	110	133	93	123	22	6	66
West																
1977	6	1.18	47	41	92	27	3.2	6.0	-	130	-	92	-	24	-	89
1978	3	1.15	45	40	90	26	3.3	7.8	17.5	121	142	87	113	28	9	79
Extra Long Staple:		ARRAY					AMERICAN PIMA				COMBED YARNS					
West		3/														
1977	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1978	5	1.49	33	39	103	34	2.7	7.3	15.5	-	65	-	114	-	1	-
Significant Difference 2/		0.02	2	0.2	2	1	0.5	0.5	0.5	4(22s)	4(22s) 2(50s)	5	5	2	2	3

1/ Based on a limited number of samples of modal quality
2/ Minimum differences considered to be significant for comparisons in this table.
3/ Combed data not available

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1978.

Production Area, Classification & Sample Number			Fiber Test Results								Processing Test Results - Carded Yarns									
			Digital Fibrograph		Mike	Fiber Strength		Elongat'n 1/8"	S.A. Non-lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns Neps/M Yards		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif		Zero Gage	1/8" Gage			Gra	Yel		8s or 74 tx	22s or 27 tx	8s or 74 tx	22s or 27 tx	8s or 74 tx	22s or 27 tx	8s or 74 tx	22s or 27 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHWEST AREA																					
NORTHWEST TEXAS																					
EARTH							PAYMASTER 303							90 PERCENT						1/	1/
1	LM LT SP	52	32	1.01	44	34	83	21	7.0	4.9	4	3	8.6	286	92	7.7	6.6	120	120	37 (2)	10 (10)	44
LEVELLAND							PAYMASTER 303							70 PERCENT							
1	LM LT SP	52	33	1.02	42	37	85	21	6.7	6.5	3	3	9.6	292	93	7.5	6.8	130	110	36 (2)	15 (30)	48
LORENZO							PAYMASTER 303							70 PERCENT							
2	SLM LT SP	42	32	1.00	46	39	87	24	7.2	4.9	3	3	6.1	335	108	8.0	7.1	130	120	29 (2)	12 (20)	65
PLAINVIEW							GSA71							75 PERCENT							
1	SLM LT SP	42	31	0.95	46	43	82	21	6.6	4.0	3	3	6.6	257	83	7.1	6.3	120	120	33 (2)	9 (4)	38
POST							STRIPPER 31							80 PERCENT							
1	SLM LT SP	42	30	0.94	45	43	88	21	6.7	4.3	3	3	7.5	276	90	7.1	6.4	120	120	19 (0)	7 (14)	37
SUDAN							QUAPAW							80 PERCENT							
2	SLM LT SP	42	31	0.94	44	41	89	22	6.2	4.1	4	4	6.8	280	95	6.9	6.5	130	120	30 (0)	11 (10)	45

1/ Parentheses indicate the neps per 1000 yards of yarn as measured by the Uster instrument.

Table 3--Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1978.

Production Area, Classification & Sample Number			Fiber Test Results										Processing Test Results - Carded Yarns									
			Digital Fibrograph			Fiber Strength		Elongat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns Neps/M Yards		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHEAST AREA																					
ALABAMA																					
MOUNDVILLE							DELTAPINE 61							70 PERCENT							
3 SLM	41	34	1.09	46	46	83	25	7.1	2.7	1	3	5.3	106	36	6.2	4.8	90	70	18	(138) 15 1/	(302) 61 1/
GEORGIA																					
OGLETHORPE							MCNAIR 612							75 PERCENT							
2 SLM	41	34	1.10	45	49	90	23	5.7	4.6	1	3	6.2	104	34	5.9	4.5	90	70	21	(56) 18	(286) 57
SOUTH CENTRAL AREA																					
ARKANSAS																					
LEACHVILLE							STONEVILLE 213							100 PERCENT							
3 SLM	41	35	1.11	46	46	82	22	6.8	3.6	1	3	6.2	98	33	6.4	4.8	80	60	26	(100) 18	(226) 56
MISSOURI																					
HORNERSVILLE							STONEVILLE 213							90 PERCENT							
4 SLM	41	34	1.07	44	40	83	22	7.1	3.6	1	3	5.2	104	35	6.5	4.8	80	60	31	(74) 21	(348) 57
PORTAGEVILLE							STONEVILLE 213							90 PERCENT							
4 LM	51	34	1.08	46	46	84	23	6.4	4.3	3	3	6.5	102	33	5.9	4.3	110	80	17	(42) 12	(160) 54
SOUTHWEST AREA																					
NORTHWEST TEXAS																					
PLAINS							DUNN 119							90 PERCENT							
1 SLM	41	34	1.07	44	38	90	25	6.5	3.0	3	4	7.8	103	34	6.3	4.6	80	60	24	(48) 19	(330) 54

1/ Parentheses indicate the neps per 1000 yards of yarn as measured by the Uster instrument.

Table 3--Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1978.

Production Area, Classification & Sample Number			Fiber Test Results										Processing Test Results - Carded Yarns									
			Digital Fibrograph			Fiber Strength		Elon-gat'n	S.A. Non-	Color Raw Stock			Strength		Elongation		Appearance Index		Imprfect'ns Neps/M Yards		Spin. Poten-
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage	1/8"	Lint	Gra	Yel	P & C Waste	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	tial
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
WEST	AREA																					
ARIZONA																						
BOWIE							STONEVILLE 213						74 PERCENT							1/		1/
2 SM	21	34	1.06	44	46	79	21	6.8	2.0	0	4	5.4	90	29	6.3	4.7	80	70	17 (80)	17	(204)	42
BUCKEYE							DELTAPINE 61						97 PERCENT									
2 SLM LT SP	42	36	1.14	46	48	95	24	5.3	3.4	2	4	6.4	120	43	6.0	4.6	90	70	21 (142)	15	(344)	67
CASHION							DELTAPINE 61						93 PERCENT									
2 SLM	41	35	1.09	42	47	91	22	5.5	3.6	2	3	6.1	89	28	5.4	4.0	90	60	21 (68)	16	(490)	42
GILA BEND							STONEVILLE 213						100 PERCENT									
2 SLM	41	34	1.07	45	46	90	24	5.7	2.6	1	2	5.4	100	35	6.0	4.7	90	70	17 (40)	10	(160)	54
MARANA							DELTAPINE 55						70 PERCENT									
2 SLM	41	35	1.11	42	42	83	21	6.1	2.4	2	3	6.4	99	33	6.6	5.0	70	60	20 (72)	13	(396)	52
MARICOPA							DELTAPINE 16						100 PERCENT									
2 SLM	41	36	1.15	43	46	84	23	6.8	3.7	1	2	5.2	104	37	6.4	4.6	90	60	22 (80)	17	(412)	60
PARKER							DELTAPINE 61						99 PERCENT									
2 SLM	41	34	1.10	45	50	89	24	6.0	3.2	2	2	6.1	104	39	6.1	4.6	80	60	23 (76)	18	(316)	57
PEORIA							DELTAPINE 61						100 PERCENT									
2 LM	51	35	1.13	46	50	85	23	6.2	4.0	3	2	6.7	99	34	6.2	4.4	110	80	20 (72)	16	(290)	57
ROLL							DELTAPINE 61						90 PERCENT									
3 SLM	41	35	1.09	44	45	89	24	6.5	2.7	1	3	5.6	98	33	5.9	4.7	100	60	21 (66)	13	(350)	51
CALIFORNIA																						
ARVIN							ACALA SJ-2						95 PERCENT									
3 MID	31	36	1.14	49	45	101	28	5.3	1.5	0	3	4.3	133	49	6.5	5.3	100	70	19 (78)	13	(196)	77
ARVIN							ACALA SJ-2						90 PERCENT									
3 SLM	41	35	1.11	47	38	93	26	5.6	3.0	1	3	5.2	126	47	6.2	4.9	80	60	29 (148)	22	(374)	82
BAKERSFIELD							ACALA SJ-2						91 PERCENT									
3 MID	31	35	1.08	45	41	99	25	5.4	2.0	1	3	5.6	117	42	5.7	4.7	80	60	18 (124)	12	(250)	60
BAKERSFIELD							ACALA SJ-2						90 PERCENT									
3 SLM	41	36	1.12	46	38	93	26	5.8	2.7	1	2	5.6	123	44	6.2	4.8	80	60	22 (114)	15	(270)	75
BUTTONWILLOW							ACALA SJ-2						100 PERCENT									
3 MID	31	36	1.13	46	43	98	26	5.4	1.8	1	3	4.9	132	46	6.5	4.8	100	70	18 (92)	11	(200)	77

1/ Parentheses indicate the neps per 1000 yards of yarn as measured by the Uster instrument.

Table 3--Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1978.

Production Area, Classification & Sample Number			Fiber Test Results										Processing Test Results - Carded Yarns									
			Digital Fibrograph			Fiber Strength		Elongat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns Neps/M Yards		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
West continued																					
CHOWCHILLA							ACALA SJ-4						75 PERCENT						1/	1/	
1 MID	31	35	1.13	47	40	96	27	5.4	1.8	1	4	4.2	135	51	6.7	5.4	80	60	29 (132)	18 (350)	91
2 SLM	41	36	1.13	48	38	97	28	6.0	2.5	1	3	4.9	133	50	6.6	5.1	80	60	28 (148)	17 (360)	88
CHOWCHILLA							ACALA SJ-4						74 PERCENT								
1 SLM PLUS	40	36	1.15	48	41	98	29	5.4	2.6	1	3	5.3	139	53	6.8	5.4	90	60	32 (112)	16 (294)	93
2 SLM	41	36	1.12	48	38	102	28	6.0	2.6	1	3	5.9	136	50	6.8	5.6	70	60	24 (122)	20 (316)	91
COALINGA							ACALA SJ-2						80 PERCENT								
2 SLM	41	36	1.13	45	39	97	27	5.4	3.1	1	3	6.6	122	45	6.4	5.3	70	60	36 (186)	25 (498)	71
3 SLM	41	36	1.13	44	39	97	27	5.2	3.7	1	2	6.7	123	45	6.4	4.9	70	60	30 (114)	20 (358)	71
COALINGA							ACALA SJ-2						90 PERCENT								
1 SLM	41	35	1.10	47	41	98	26	5.5	3.1	2	3	6.7	122	44	6.2	4.9	70	60	31 (152)	19 (348)	72
2 MID LT SP	32	35	1.11	47	43	95	26	5.4	2.2	2	4	4.5	115	42	5.6	4.9	80	60	13 (82)	11 (340)	68
FIREBAUGH							ACALA SJ-2						100 PERCENT								
2 SLM	41	36	1.14	46	37	96	27	5.8	3.3	1	3	6.4	129	47	6.5	5.2	80	60	21 (108)	16 (266)	79
FIVE POINTS							ACALA SJ-2						94 PERCENT								
2 SLM	41	36	1.12	45	38	98	27	5.4	3.2	1	3	6.7	127	46	6.2	4.7	80	60	26 (192)	20 (382)	75
3 SLM	41	36	1.14	47	39	92	27	5.8	2.9	1	3	6.0	123	45	6.5	5.1	80	60	21 (142)	17 (370)	75
HANFORD							ACALA SJ-5						100 PERCENT								
2 MID	31	35	1.12	45	40	97	27	5.1	2.4	1	3	4.8	136	51	6.4	4.9	80	60	26 (130)	19 (276)	85
3 SLM	41	35	1.13	47	42	100	27	5.4	2.7	2	3	5.2	127	47	6.2	4.6	80	60	26 (142)	22 (390)	78
HELM							ACALA SJ-2						100 PERCENT								
2 MID	31	36	1.14	47	41	95	27	5.9	2.2	0	3	5.5	126	47	6.3	5.1	80	60	24 (84)	18 (338)	77
3 SLM	41	36	1.18	48	47	99	27	5.4	3.3	1	2	6.1	136	48	6.4	5.0	80	60	20 (96)	14 (246)	89
LOS BANOS							ACALA SJ-2						93 PERCENT								
1 SLM PLUS	40	36	1.16	47	43	97	27	6.1	3.3	1	3	6.1	121	45	6.1	5.4	70	60	36 (146)	23 (512)	76
2 SLM	41	36	1.17	48	42	97	29	5.8	4.0	1	3	6.9	135	52	6.7	5.6	80	60	25 (152)	21 (398	93
RIPLEY							DELTAPINE 61						97 PERCENT								
3 MID LT SP	32	34	1.09	45	50	88	23	5.9	2.4	2	3	5.1	106	37	6.0	4.5	120	70	20 (80)	14 (400)	59
4 SLM	41	35	1.09	44	45	90	23	6.5	2.9	1	2	6.3	100	35	5.8	4.5	110	60	19 (62)	12 (282)	54
SHAFTER							ACALA SJ-2						93 PERCENT								
3 SLM	41	36	1.12	46	42	89	26	5.8	3.1	1	3	6.2	127	46	6.4	5.2	70	60	33 (160)	23 (360)	77
TIPTON							ACALA SJ-4						90 PERCENT								
3 SLM	41	35	1.11	47	40	95	26	5.7	3.5	2	3	5.9	133	49	6.8	5.3	80	60	33 (152)	23 (392)	84

1/ Parentheses indicate the neps per 100 yards of yarn as measured by the Uster instrument.

Table 3--Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1978.

Production Area, Classification & Sample Number			Fiber Test Results										Processing Test Results - Carded Yarns									
			Digital Fibrograph			Fiber Strength		Elongat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns Neps/M Yards		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
West continued																					
							ACALA SJ-4										79 PERCENT				
TULARE																					
3 SLM	41	36	1.13	48	43	99	28	5.7	4.5	2	2	6.1	134	51	6.2	5.3	80	60	28	(216)19 1/	(324) 89 1/
							ACALA SJ-4										95 PERCENT				
VISALIA																					
2 SLM	41	36	1.13	47	39	95	27	5.3	2.6	1	3	6.4	132	51	6.4	5.0	80	60	28	(130)19	(348) 84
3 SLM	41	36	1.11	45	37	99	28	5.6	2.9	0	2	5.1	128	47	6.5	5.3	70	60	22	(44)19	(328) 78
							DELTAPINE 61										100 PERCENT				
WESTMORLAND																					
2 SLM	41	35	1.09	43	43	92	24	6.4	3.2	1	3	6.0	104	36	6.2	4.8	90	60	20	(62)15	(246) 56

1/ Parentheses indicate the neps per 1000 yards of yarn as measured by the Uster instrument.

Table 4--Cotton, American upland long staple: Quality characteristics by production areas, crop of 1978.

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Carded Yarns									
			Digital Fibrograph			Fiber Strength		Elongat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C and Comber Waste	Strength		Elongation		Appearance Index		Imprfect'ns Neps/M Yards		Spin. Potential
No	Grade Name & Code	Stple	2.5% span	Unif.	Mike	Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
WEST	**AREA**																				
NEW MEXICO																					
LAS CRUCES						**ACALA 1517-75**							**85 PERCENT**						1/	1/	
2 SLM	**41**	**37**	**1.16**	**46**	40	**92**	**26**	**6.2**	**3.0**	**2**	**2**	**6.7**	**127**	**45**	**6.6**	**5.3**	**90**	**70**	**28** (28)	**24** (278)	**85**
											*	**16.7**	**149**	**54**	**7.1**	**5.7**	**110**	**100**	**9** (34)	**8** (214)	
WEST TEXAS																					
PECOS		2/				**COKER 310**							**98 PERCENT**								
1 LM	**51**	**35**	**1.10**	**42**	37	**87**	**23**	**5.8**	**3.8**	**3**	**3**	**9.1**	**101**	**34**	**5.9**	**4.4**	**90**	**60**	**26** (26)	**21** (264)	**55**
											*	**19.3**	**124**	**42**	**6.7**	**4.8**	**110**	**90**	**10** (40)	**7** (264)	

1/ Parentheses indicate the neps per 1000 yards of yarn as measured by the Uster instrument.

2/ Reduced from 41 because of bark.

* Comber Waste and Combed Yarn Data

Table 5--Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of 1978.

Production Area, Classification & Sample Number			Fiber Test Results									Processing Test Results - Combed Yarns									
			Array Length			Fiber Strength		Elongat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Comber Waste	Strength		Elongation		Appearance Index		Imprfect'ns Neps/M Yards	
No	Grade Name & Code	Stple	UQL	CV	Mike	Zero Gage	1/8" Gage			Gra	Yel			50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx
		32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No
WEST	AREA																				
ARIZONA TONOPAH						PIMA S-5							100 PERCENT								
1	4	46	1.53	28	42	104	36	7.2	2.6	4	5	6.7	13.2	69	36	6.3	5.3	120	110	0 (26)	0 (84)
NEW MEXICO LAS CRUCES						PIMA S-5							100 PERCENT								
1	3	46	1.50	33	38	105	33	7.3	2.1	4	5	6.8	20.4	63	34	5.8	5.2	120	110	2 (34)	1 (148)
WEST TEXAS EL PASO						PIMA S-5							100 PERCENT								
1	5	46	1.49	32	36	102	33	7.4	3.1	5	5	9.4	15.0	62	35	6.1	5.1	110	110	2 (42)	1 (178)

1/ Parentheses indicate the neps per 1000 yards of yarn as measured by the Uster instrument.